Product Name: **Tyrosinase (8Z10) Rabbit Monoclonal Antibody**
Catalog #: **AMRe19469**
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,FC
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1000-1:5000,IHC 1:100-1:500,ICC/IF 1:50-1:100,FC 1:20-1:50
Molecular Weight	60kDa

Antigen Information

Gene Name	TYR
Alternative Names	ATN; CMM8; LB24 AB; SHEP3; SK29 AB; Tumor rejection antigen AB; TYR;
Gene ID	7299.0
SwissProt ID	P14679
Immunogen	Recombinant protein of human Tyrosinase

Background

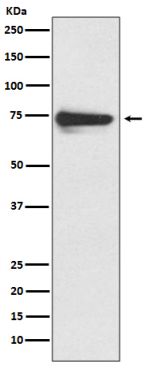
Tyrosinase, found in the membrane of melanosomes, is a key enzyme in the biosynthesis of melanin pigments. It is a

melanocyte differentiation antigen and is expressed in normal melanocytes and malignant melanomas. Tyrosinase is implicated to be an antigen target for melanoma vaccines. This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds (By similarity). Catalyzes the initial and rate limiting step in the cascade of reactions leading to melanin production from tyrosine (By similarity). In addition to hydroxylating tyrosine to DOPA (3,4- dihydroxyphenylalanine), also catalyzes the oxidation of DOPA to DOPA- quinone, and possibly the oxidation of DHI (5,6-dihydroxyindole) to indole-5,6 quinone (By similarity).

Research Area

Tyrosine metabolism;Riboflavin metabolism;Melanogenesis;

Image Data



Western blot analysis of Tyrosinase expression in human melanoma lysate.